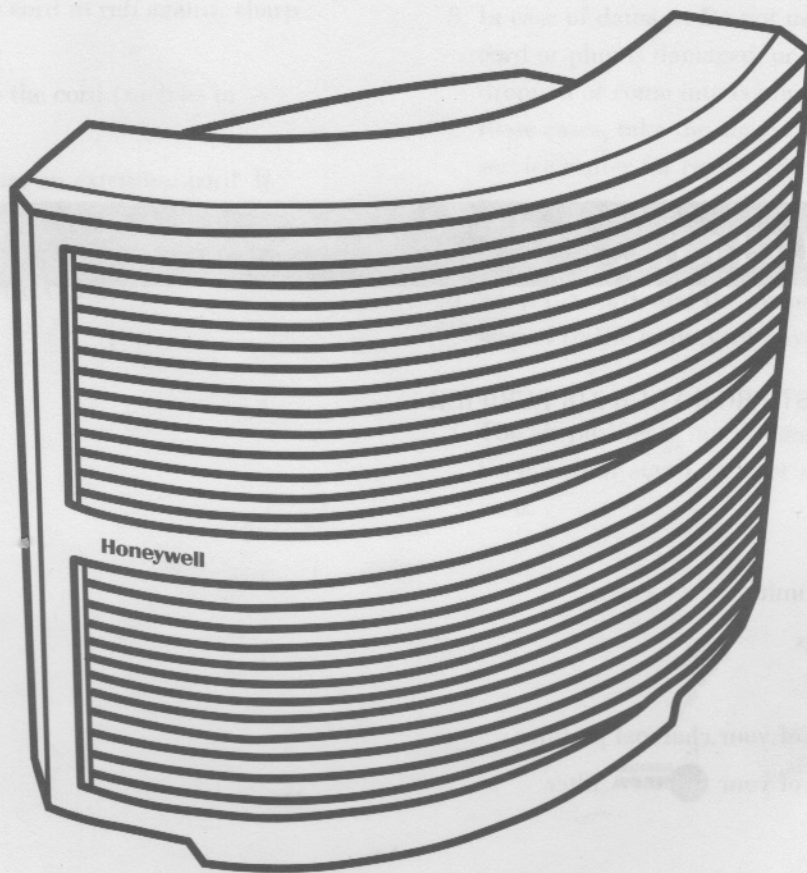


Honeywell

Air purifier

Clean the air—feel better!




Owner's Guide

MODELS

85L • 110 • 110LX

THANK YOU

... for choosing the Honeywell air purifier with the exclusive  filtration system. Whether you seek relief of respiratory symptoms for greater physical comfort, or simply better indoor air quality for your home, this unit offers important benefits:

- The most efficient air cleaning technology available—True HEPA filtration
- Quality and performance—designed for convenience, built for long-life reliability
- Honeywell leadership in home comfort—the assurance of a trusted brand

Your Honeywell air purifier is ready to use as soon as you unpack it and plug it in. This booklet provides you with reference information about the unit's features and operation, and explains how to use and maintain it for greatest benefit.

IN THIS BOOKLET...

- SAFETY
- GETTING THE MOST FROM YOUR AIR PURIFIER

Your unit's features

Specifications


Room size

Where to place your unit

High and low settings

- ROUTINE CARE

Regular replacement of your charcoal prefilter

Regular replacement of your  filter

Filter selection guide

- SERVICE

Trouble-shooting guide

Authorized service

- FOR YOUR INFORMATION

- TWO-YEAR LIMITED WARRANTY

Questions?

Call toll-free 800-332-1110 weekdays for help with any questions about your Honeywell air purifier.

SAFETY

Your Honeywell air purifier is an electrical device.

To use it safely, follow these precautions:

1. Read all operating instructions before using the unit or performing routine care.

2. Keep the unit dry. Never use it outdoors, in a damp place (such as a wet basement) or where it could get wet (such as near a bathtub).


3. Cord safety:

- Do not pull on the cord, either to unplug the unit or to move it.
- Do not allow the cord to rub against sharp edges or corners.
- Do not compress the cord (such as in a doorway).
- It is best not to use an extension cord. If you must use one, use only a heavy duty cord. **DO NOT USE A LIGHT DUTY CORD INTENDED FOR LAMPS.**

4. Plug safety:

- The plug is polarized, with two different size prongs. It will only fit into an outlet one way (wide prong to wide slot). If the plug does not fit snugly into the outlet, try the prongs in the opposite slots. If it still does not fit, call a qualified electrician.

DO NOT ATTEMPT TO DEFEAT THIS SAFETY FEATURE.

- Unplug the unit when you are not using it. Unplug it before changing the charcoal filter or the  filter.

5. In case of damage: Do not use the air purifier if the cord or plug is damaged, or if the product has been dropped or come into contact with water. In any of these cases, take the air purifier to an authorized service center for repair. (See list of Authorized Service Centers enclosed.)

6. Keep the cord, and the air purifier itself, out of the way of traffic to prevent anyone tripping on them.

7. The air purifier is not designed to support weight. Do not sit or stand on it, or place heavy objects on it.

GETTING THE MOST FROM YOUR AIR PURIFIER

Your unit's features



Model 85L shown


ENVIRACAIRE®

TRUE

HEPA
..... FILTER

Removes 99.97%
of airborne particles

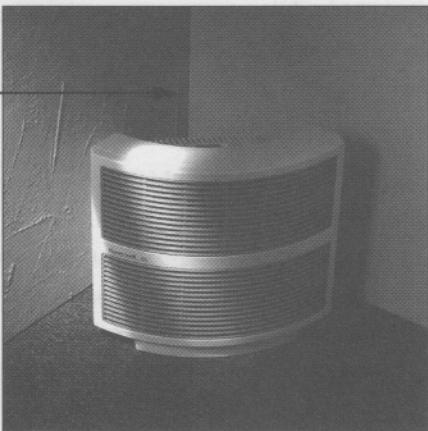
Mold	Dander
Pollen	Bacteria
Dust	Viruses

- Replaceable charcoal prefilter—helps to reduce odors
- Rugged housing resists scratches, stains, corrosion
- Energy-efficient—plugs into any standard 110V household outlet
- Maintenance-free—no washing of either  or charcoal filters

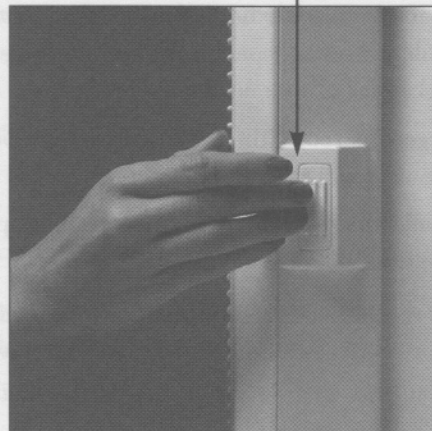
Specifications

Dimensions	Weight	Power requirements
13.9" high x 15.6" wide x 9.8" deep	11.5 lbs.	120 volt, 60 Hz

- Fits in corner or against wall

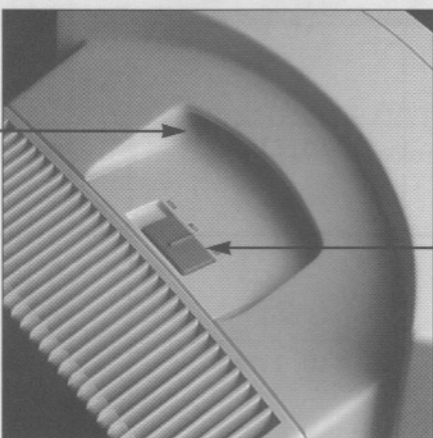


- Easy filter access

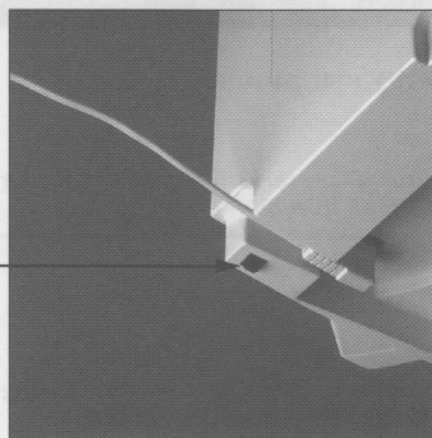


- Built-in handle—
change locations with ease

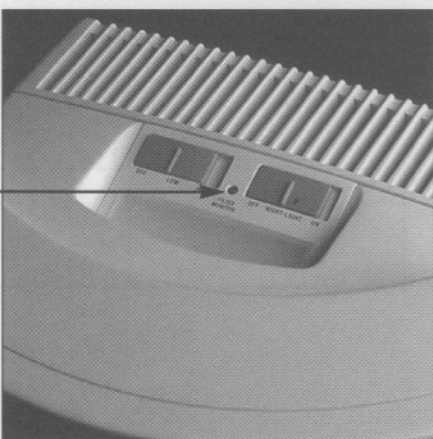
- Quiet two-speed operation—
top-mounted controls



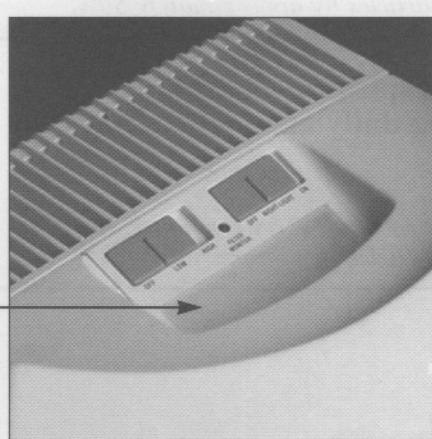
- Protective rubber feet



- Filter monitor
(Model 110LX)



- Night light
(Model 110LX)



GETTING THE MOST FROM YOUR AIR PURIFIER

Room size

The number of times per hour that your air purifier will recirculate the air depends on the room size.

In general:

- The bigger the room, the fewer air changes per hour the unit will provide.
- The smaller the room, the more air changes per hour the unit will provide.

Honeywell recommends a minimum of 6 air changes per hour for relief of common respiratory problems.

The following guide shows:

- The types of respiratory symptoms which can be improved;
- The number of air changes needed to do so;
- The maximum room size in which your Honeywell model will provide those air changes.

(Note: Air particle reduction depends on the strength and magnitude of the particle source.)

Symptom Relief	Air Changes Per Hour	Honeywell Model	Room Size
Mild allergy symptoms <i>Recirculate room air every 15 minutes, reducing airborne particles by approximately 50%.</i>	4	85L	10' x 16'
		110, 110LX	14' x 14'
Common respiratory problems <i>Recirculate room air every 10 minutes, reducing airborne particles by approximately 70%.</i>	6	85L	9' x 12'
		110, 110LX	10' x 14'
Severe respiratory problems <i>Recirculate room air every 7½ minutes, reducing airborne particles by approximately 80%.</i>	8	85L	8' x 10'
		110, 110LX	8' x 12'
Severe respiratory conditions requiring daily medication <i>Recirculate room air every 6 minutes, reducing airborne particles by approximately 85%.</i>	10+	85L (2 units needed)	10' x 12'
		110, 110LX	8' x 10'

Where to place your unit

Your air purifier is designed to be used wherever you like—next to a wall, in a corner, on a tabletop or dresser. Plug it into any standard indoor outlet, with the cord tucked out of the way to prevent anyone tripping over it.

A built-in handle at the top lets you carry the air purifier from one room to another. You may wish to use the unit in the kitchen, family room or living room during the day, and take it into a bedroom at night.

NOTE: Because the unit draws air from the space surrounding it, some locations are **LESS EFFECTIVE**:

- **BETWEEN TWO ROOMS.** The unit may not be big enough to handle both rooms.
- **ROOM WITH OPEN WINDOW.** Pollen, dust or other particles may enter the room faster than the unit can remove them.

DO NOT PLACE ANYTHING ON TOP OF THE UNIT. Items placed on top will block the outgoing clean air.

High and low settings

The powerful fan which recirculates the room air has been engineered for the quietest possible operation. Use the controls on top of the unit to select High or Low speed operation.

WHEN YOU START THE UNIT, RUN IT AT THE HIGH SETTING FOR A FEW MOMENTS.

In a few seconds, the motor will reach full speed. Then choose the setting you want to use:

- **High**—ideal for periods of poor air quality or increased respiratory distress
- **Low**—ideal during sleep periods and better air quality days

ROUTINE CARE

Regular replacement of your charcoal prefilter

Your air purifier has a charcoal prefilter installed and ready to use. It captures large airborne particles and reduces odors. It should be replaced about every 3 months, depending on the usage and air quality in your home. Replace it more often if there is a smoker in the home, or if odors persist.

NOTE:

- Do not use your air purifier without a charcoal prefilter installed. Otherwise, the unit may become contaminated by odors and begin to emit them.
- A sharp drop in outgoing air usually means that your charcoal filter needs to be replaced.
- The charcoal prefilter cannot be cleaned. Do not wash it; discard it after use.

Regular replacement of your TRUE HEPA filter

Your Honeywell air purifier contains the exclusive TRUE HEPA filter, which removes a minimum of 99.97% of all airborne particles. It will last 2 to 4 years, depending on usage and air quality.

Model 110LX has a filter monitor; the LED (red indicator light) will glow when the TRUE HEPA filter needs replacement.

NOTE:

- As long as the TRUE HEPA filter has any filtering capacity, it is fully functioning. There is no loss of efficiency during the life of the TRUE HEPA filter.
- If the outgoing air flow is weak AND you have already changed the charcoal prefilter, your TRUE HEPA filter needs to be replaced.
- Do not wash the TRUE HEPA filter. It is made of glass fiber and will be damaged by cleaning.

Filter selection guide

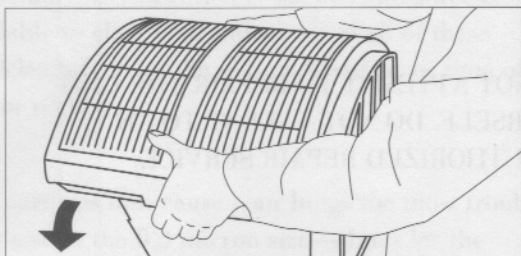
Use this guide to choose the right Honeywell charcoal prefilter or TRUE HEPA filter for your air purifier:

Honeywell Air Purifier		
Model Number	85L	110, 110LX
Honeywell Charcoal Prefilter Number	19002	19002
Honeywell TRUE HEPA Filter Number	19500	19700

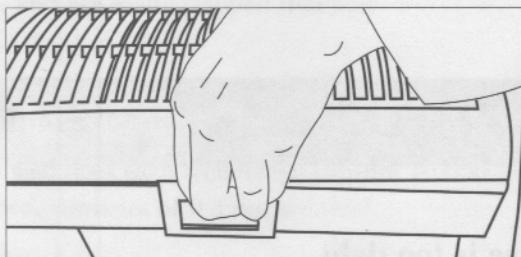
How to change the charcoal prefilter and the ENVIRACARE TRUE HEPA filter

CAUTION: UNPLUG THE AIR PURIFIER BEFORE CHANGING EITHER FILTER.

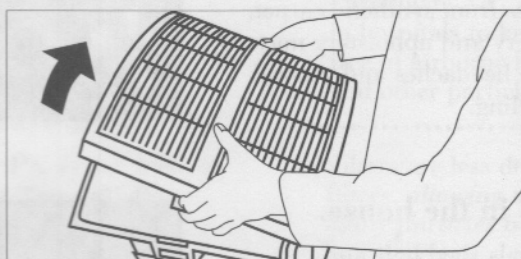
1. Lay the air purifier on its back.



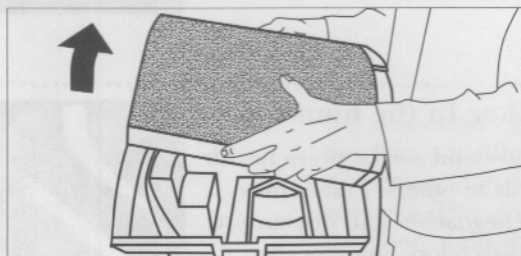
2. Press the two tabs on the sides of the unit.



3. Lift off the grille.



4. Pull out the filter assembly (charcoal prefilter and ENVIRACARE TRUE HEPA filter).



- 5.A. To replace charcoal prefilter **ONLY**: Pull the charcoal prefilter apart from the ENVIRACARE TRUE HEPA filter. (Fig. A)

Discard **ONLY** the charcoal prefilter. Attach a new charcoal prefilter to the ENVIRACARE TRUE HEPA filter. (Fig. B, below)

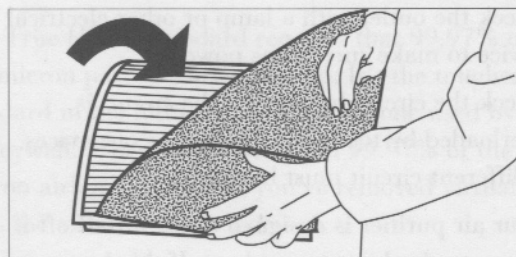


Fig. A

- 5.B. To replace charcoal prefilter **AND** ENVIRACARE TRUE HEPA filter: Discard **BOTH** the charcoal prefilter and the ENVIRACARE TRUE HEPA filter. Attach a new charcoal prefilter to a new ENVIRACARE TRUE HEPA filter. (Fig. B)

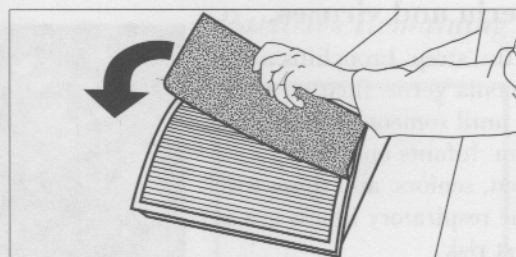
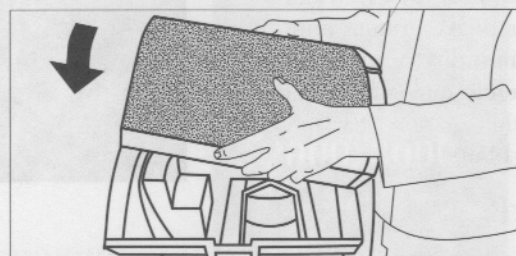


Fig. B

6. Place the filters in the air purifier.



7. Replace the grille. Press it into place until the side tabs snap into their original position.

8. Place your air purifier upright in the desired location. Plug in the unit. It is now ready to use.

SERVICE

Trouble-shooting guide

If you notice a sharp drop in outgoing air, first replace the charcoal prefilter. If the condition persists, replace the **ENVIRACARE TRUE HEPA** filter. (See instructions in the previous section of this booklet.)

If your air purifier doesn't work:

1. Make sure it's plugged into a working outlet. Check the outlet with a lamp or other electrical device to make sure it has power.
2. Check the circuit breaker. If the circuit is overloaded by too many appliances or devices, a different circuit must be used.
3. Your air purifier is designed to shut itself off if the motor is about to overheat. If this happens, turn the ON-OFF switch to OFF and wait 30 to 45 minutes before trying it again.

Authorized service

If the trouble-shooting steps fail to re-start your air purifier, take it to an authorized service center (see the enclosed list). If you need to ship it to the service center, pack the entire unit carefully and prepay the shipping charge.

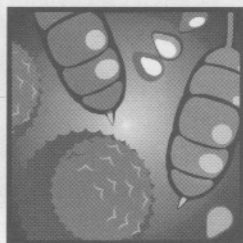
DO NOT ATTEMPT TO REPAIR THE UNIT YOURSELF. DO NOT TAKE IT TO AN UNAUTHORIZED REPAIR SERVICE.

FOR YOUR INFORMATION

Common problems in home air quality

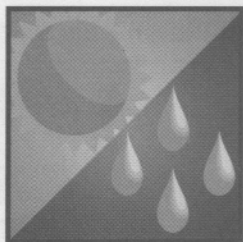
Bacteria and viruses.

Cold, flu, strep, bronchitis and pneumonia germs float on water vapor until someone breathes them in. Infants and young children, seniors, and those with chronic respiratory illness are at greatest risk.



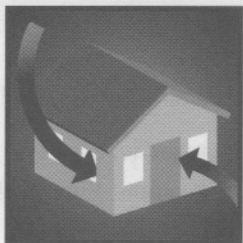
Too humid or too dry.

Mold spores, dust mites and fungus thrive in high humidity. Low humidity promotes dust and pollen movement. Both conditions can exist within a single home.



House is too porous.

Excessive outdoor air enters, bringing pollen, hay fever allergens, dust, auto exhaust and smog. Asthma, allergies and other respiratory problems are aggravated.



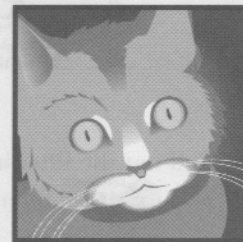
House is too tight.

Densely insulated, tightly sealed homes don't let in enough fresh air to dilute indoor pollutants. Fumes from synthetic carpet, drapery and upholstery may cause headaches and general ill feeling.



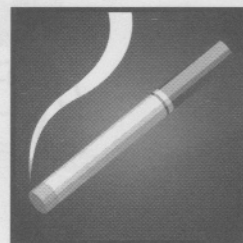
Pets in the house.

Animals shed hair and microscopic dander, triggering allergic reactions. They may also cause odors.



Smoker in the house.

Second-hand smoke poses health hazards to others. Fumes may cause headaches and discomfort. Offensive odors linger; walls, draperies and furnishings become discolored.



FOR YOUR INFORMATION

Why **ENVIRACAIR®** TRUE HEPA?

The airborne particles that irritate your lungs can be of many different types. They can vary by season, by day-to-day weather changes, even by time of day—in the same household! True HEPA (High Efficiency Particulate Air) filtration is the most effective method available to clear your indoor air of all of these particles, whatever the season, weather, or time of day or night.

The particles that cause your lungs the most trouble are those at the 0.3 micron size—about $\frac{1}{75}$ the thickness of a human hair. Your body has systems to capture larger particles before they invade sensitive lung tissue. Smaller particles tend to cling to the larger ones, and are easily trapped that way.

The 0.3 micron test

It's the particles of 0.3 micron size that are most invasive to your lungs, and hardest for an air filter system to capture. Cheaper, coarser filters can trap larger and smaller particles, but it takes a True HEPA filter to effectively remove 0.3 micron particles from the air.

The True HEPA standard requires that 99.97% of 0.3 micron particles are captured. It's the toughest standard in the industry, and it's the one used by Honeywell. When you've removed 99.97% of the 0.3 micron airborne particles, you've removed virtually ALL the airborne particles!

Compare today's air cleaning technologies

How well does each technology capture 10,000 airborne particles of 0.3 micron size?

Technology

Particles Remaining

ENVIRACAIR® TRUE HEPA Filters

True HEPA (High Efficiency Particulate Air) filtration is used in hospitals to keep surgical suites free of airborne bacteria, viruses and other particles.

"HEPA-type" Filters (Not True HEPA)

Filters are less dense than True HEPA filters, *allowing up to 500 times as many particles back into the room.*

Electrostatic Cleaners

Efficiency can drop by as much as 75% in 48 hours if the unit is not properly cleaned and maintained.

Ionizers

Ion generators charge airborne particles with negative ions, so they are attracted to positively-charged surfaces. This drives pollutants onto the floor, walls, furniture and drapes—to be stirred up again by touch, movement, dusting or vacuuming. Ionizers also release toxic ozone into the room air.

3

500-1500

2000-8000

10,000

TWO-YEAR LIMITED WARRANTY

Honeywell Environmental Air Control warrants this appliance to be free from defects in workmanship and materials, under normal use and service, for a period of two (2) years from the date of purchase by the consumer. If, at any time during the warranty period, the product is defective or malfunctions, Honeywell Environmental Air Control shall replace or repair it (at its option) within a reasonable period of time. If the product is defective:

- a. return it, with a bill of sale, receipt or other dated proof of purchase, to the retailer from which you purchased it, or
- b. take it, along with a bill of sale, receipt or other dated proof of purchase, to the authorized service center nearest you, or, if more convenient,
- c. package it carefully, along with a bill of sale, receipt or other dated proof of purchase and a short description of the malfunction, and mail it to the authorized service center nearest you. A list of authorized service centers is enclosed.

This warranty is limited to the original retail purchaser and is not transferable. This warranty does not guarantee a useful life of the filters. This warranty does not cover damage due to accidents, abuse, tampering or misuse while in the original purchaser's possession, or damages resulting from service by persons other than Honeywell Environmental Air Control or its authorized agents.

Please complete for your records:

Model No. _____

Serial No. _____

Warranty Registration No. _____

Date of purchase _____

Place of purchase _____

Honeywell's sole responsibility shall be to repair or replace the product within the terms stated above. HONEYWELL SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE OF ANY KIND, INCLUDING ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING, DIRECTLY OR INDIRECTLY, FROM ANY BREACH OF ANY WARRANTY, EXPRESS OR IMPLIED, OR ANY OTHER FAILURE OF THIS PRODUCT. Some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation may not apply to you.

THIS WARRANTY IS THE ONLY EXPRESS WARRANTY HONEYWELL MAKES ON THIS PRODUCT. THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IS HEREBY LIMITED TO THE TWO-YEAR DURATION OF THIS WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

If you have any questions concerning this warranty, please write to us at:

Honeywell Environmental Air Control
100 Jamison Court
Hagerstown, MD 21740-5185 USA